

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-10. (canceled)

11. (currently amended) A method for producing a mouse recipient that produces an antibody reactive to an antigen protein for an autoimmune disease and/or has activated T cells reactive to the antigen protein, which comprises the steps of:

(a) immunizing, with the antigen protein for the autoimmune disease, a mouse donor that (i) lacks a gene encoding the antigen protein and (ii) develops immune cells,

(b) preparing immune cells from the donor, and

(c) transplanting the immune cells to the recipient that (iii) is the same species as the donor, and (iv) has the same genetic background and/or is immunodeficient, thereby producing a mouse recipient that produces an antibody reactive to an antigen protein for an autoimmune disease and/or has activated T cells activation reactive to the antigen protein, wherein the antigen protein is desmoglein 3 protein and the autoimmune disease is pemphigus vulgaris.

12. (previously presented) The method of claim 11, wherein the recipient is immunodeficient.

13. (previously presented) The method of claim 12, wherein the recipient lacks a RAG2 gene.

14. (previously presented) The method of claim 11, wherein the immune cells are splenocytes.

15-25. (canceled)